

IN THE CLAIMS

1. (Currently Amended) Reel driver for rolling mills with an upper and a lower driving roll, ~~characterized by the fact that~~ wherein the lower driving roll (1) has a steel roll shaft (2) on which a cast jacket (3) is mounted by adhesive bonding and/or shrink fitting, and that the upper driving roll (1') has a cast jacket (3') that is held between two clamping elements (5) arranged on a shaft (2').

2. (Currently Amended) Reel driver in accordance with Claim 1, ~~characterized by the fact that~~ wherein the cast jacket (3, 3') consists of ductile iron and has an outer working layer (4, 4') produced by the centrifugal casting process.

3. (Currently Amended) Reel driver in accordance with Claim 2, ~~characterized by the fact that~~ wherein the ductile iron consists of 2.5-4.0 vol.% C, 1.0-4.0 vol.% Si, 0.2-2.0 vol.% Mn, < 0.10 vol.% P, < 0.05 vol.% S, < 1.0 vol.% Cr, < 5.0 vol.% Ni, < 3.0 vol.% Mo, < 1.0 vol.% Al, and < 5.0 vol.% Cu.

4. (Currently Amended) Reel driver in accordance with ~~any of~~ ~~Claims 1 to 3, characterized by the fact that~~ Claim 1, wherein the working layer (4, 4') consists of indefinite chill cast iron.

5. (Currently Amended) Reel driver in accordance with Claim 4, ~~characterized by the fact that~~ wherein the indefinite chill cast iron consists of 2.7-3.8 vol.% C, 0.5-2.0 vol.% Si, 0.3-1.5 vol.% Mn, < 0.15 vol.% P, < 0.10 vol.% S, 1.0-3.5 vol.% Cr, 1.0-5.0 vol.% Ni, 0.1-0.8 vol.% Mo, 0.010-0.5 vol.% Al, and 0.5-5.0 vol.% Cu.

6. (Currently Amended) Reel driver in accordance with ~~Claim 2 or Claim 3, characterized by the fact that~~ Claim 2, wherein the working layer (4, 4') consists of indefinite chill cast iron with alloy carbides.

7. (Currently Amended) Reel driver in accordance with Claim 6, ~~characterized by the fact that~~ wherein the indefinite chill cast iron with alloy carbides consists of 2.7-3.8 vol.% C, 0.5-2.0 vol.% Si, 0.3-1.5 vol.% Mn, < 0.15 vol.% P, < 0.10 vol.% S, 1.0-3.5 vol.% Cr, 1.0-5.0 vol.% Ni, 0.1-0.8 vol.% Mo, 0.010-0.5 vol.% Al, 0.5-5.0 vol.% Cu, 0.5-4.0 vol.% V, 0.5-5.0 vol.% Nb, and 0.5-5.0 vol.% Ta.

8. (Currently Amended) Reel driver in accordance with ~~Claim 2~~ or ~~Claim 3~~, characterized by the fact that Claim 2, wherein the working layer (4, 4') consists of chromium alloy cast iron.

9. (Currently Amended) Reel driver in accordance with Claim 8, characterized by the fact that wherein the chromium alloy cast iron consists of 0.8-3.5 vol.% C, 0.5-2.0 vol.% Si, 0.4-3.0 vol.% Mn, < 0.15 vol.% P, < 0.10 vol.% S, 8-35 vol.% Cr, 0.5-4.0 vol.% Ni, 0.1-5 vol.% Mo, 0.5-5.0 vol.% Cu, 0.5-4.0 vol.% V, 0.5-5.0 vol.% Nb, and 0.5-5.0 vol.% Ta.

10. (Currently Amended) Reel driver in accordance with ~~Claim 2~~ or ~~Claim 3~~, characterized by the fact that Claim 2, wherein the working layer (4, 4') consists of high-speed steel (HSS).

11. (Currently Amended) Reel driver in accordance with Claim 10, characterized by the fact that wherein the high-speed steel consists of 0.5-3.0 vol.% C, 0.5-2.0 vol.% Si, 0.4-3.0 vol.% Mn, < 0.15 vol.% P, < 0.10 vol.% S, 2-10 vol.% Cr, 0.5-4.0 vol.% Ni, 2-10 vol.% Mo, 0.5-5.0 vol.% Cu, 2-10 vol.% V, and 1-15 vol.% W.